

# Maryland HIV Progress Report

## November 2017

### Quick Stats

- During 2015, Maryland was ranked fifth among U.S. states and territories in adult/adolescent HIV diagnosis rates and ranked ninth in cumulative number of AIDS cases (39,759). †
- Baltimore-Columbia-Towson metropolitan statistical area (MSA) had the tenth highest estimated adult/adolescent HIV diagnosis rate of any major metropolitan area, per 100,000 population. †
- In 2016, in Maryland, among individuals newly identified as being HIV-positive, the greatest proportion of cases included NH-Black men who have sex with men (MSM) (36.9%), NH-Black heterosexual females (HET) (20.7%), and NH-Black heterosexual males (HET) (10.2%).††

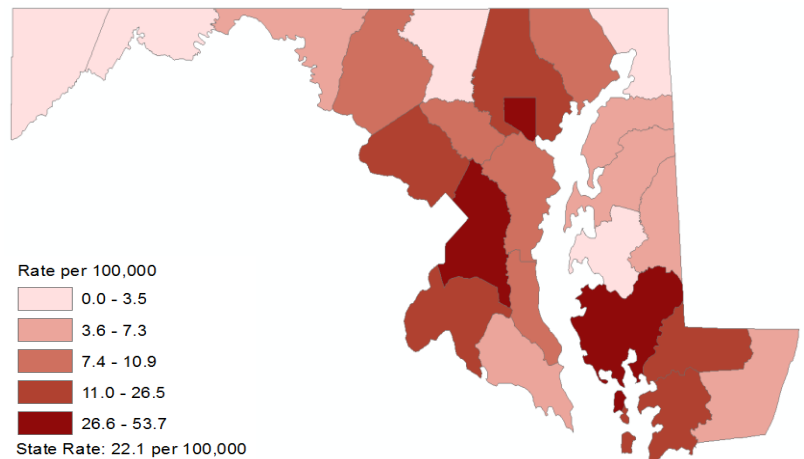
**Purpose:** This report aims to provide a summary of Maryland's progress in response to the HIV epidemic, specifically in regards to accomplishing the 2020 goals of the National HIV/AIDS Strategy (NHAS). This report uses state and national surveillance data as measures to evaluate the annual progress of reducing new HIV infections, increasing access to care and improving health outcomes, and reducing HIV-related health disparities. Yearly evaluations improve inter-agency coordination, encourage progress, and ultimately enhance health outcomes in Maryland.

2016 General Demographics	U.S. §	Maryland§	Baltimore City§
Population	323,127,515	6,016,447	614,664
<b>Socio-economic</b>			
In Poverty	14.0%	9.7%	21.9%
No Health Insurance	8.6%	6.1%	6.8%
High School/GED or less	49.8%	35.2%	44.6%
<b>Age</b>			
< 13 <sup>§§</sup>	16.3%	16.0%	15.6%
13-24 <sup>§§</sup>	16.1%	15.5%	15.6%
25-34	13.7%	13.8%	18.9%
35-44	12.6%	12.7%	12.2%
45-54	13.2%	14.2%	12.3%
55-64	12.8%	13.2%	12.5%
≥ 65	15.2%	14.6%	12.9%
<b>Sex</b>			
Male	49.2%	48.5%	47.0%
Female	50.8%	51.5%	53.0%
<b>Race/Ethnicity†</b>			
Black	12.3%	29.3%	62.0%
White	61.1%	51.4%	27.5%
Hispanic	17.8%	9.8%	5.1%
Asian	5.4%	6.2%	2.5%
Other	3.5%	3.3%	3.1%

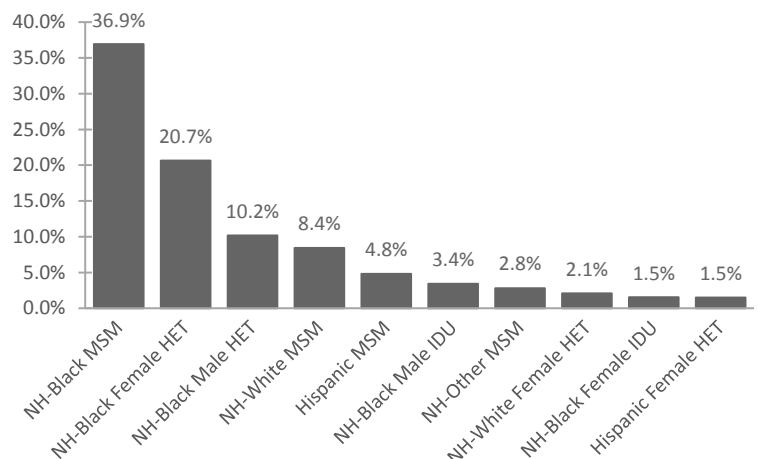
HIV/AIDS Data*	U.S.†	Maryland††	Baltimore City††
HIV Diagnoses	40,040	1,122	279
Living HIV/AIDS Cases	972,813	30,902	10,647
Living AIDS Cases	530,931	16,935	6,235
Reported AIDS Deaths <sup>Ω</sup>	12,688	485	252

HIV Diagnoses during 2016			
<b>Age at HIV Diagnosis</b>			
< 13	0.3%	0.4%	0.4%
13-24	22.2%	19.8%	22.6%
25-34	32.7%	33.0%	36.2%
35-44	19.3%	19.1%	14.0%
45-54	16.1%	16.1%	13.6%
55-64	7.3%	8.8%	10.4%
≥ 65	2.2%	2.9%	2.9%
<b>Sex at Birth</b>			
Male	81.0% <sup>β</sup>	72.1%	77.1%
Female	18.7% <sup>β</sup>	27.9%	22.9%
<b>Race/Ethnicity</b>			
Black	44.2%	73.8%	78.1%
White	26.3%	13.6%	11.5%
Hispanic	24.5%	8.2%	6.5%
Asian	2.4%	1.6%	1.1%
Other	2.7%	2.9%	2.9%

Maryland Adult/Adolescent HIV Diagnoses, Rates by Jurisdiction, 2016



Maryland Adult/Adolescent HIV Diagnoses during 2016 by Sex at Birth, Race/Ethnicity, and Exposure Category, Reported through 6/30/2017<sup>α\*\*</sup>



† Data Source: Centers for Disease Control and Prevention. HIV Surveillance Report, 2015, vol. 27, by residence at HIV/AIDS diagnosis. <sup>β</sup> Adult/Adolescent HIV Diagnoses

§ Data Source: 2015 American Community Survey <sup>§§</sup> Estimated values † Non-Hispanic

\*2016 HIV Cases Reported by Name through 6/30/2017. HIV diagnoses by address at HIV diagnosis. Living HIV/AIDS cases and living AIDS cases by current address. AIDS deaths by address at AIDS diagnosis

<sup>Ω</sup> Reported deaths are for 2015 to allow for reporting <sup>α</sup> Risk estimation and redistribution using multiple imputation method

\*\*MSM: Men who have Sex with Men | HET: Heterosexual Exposure | IDU: Injection Drug User | NH: Non-Hispanic

†† Data Source: Maryland Department of Health (MDH) Enhanced HIV/AIDS Reporting System (eHARS), Geocoded Data, as of 6/30/2017.

# National HIV/AIDS Strategy (NHAS)

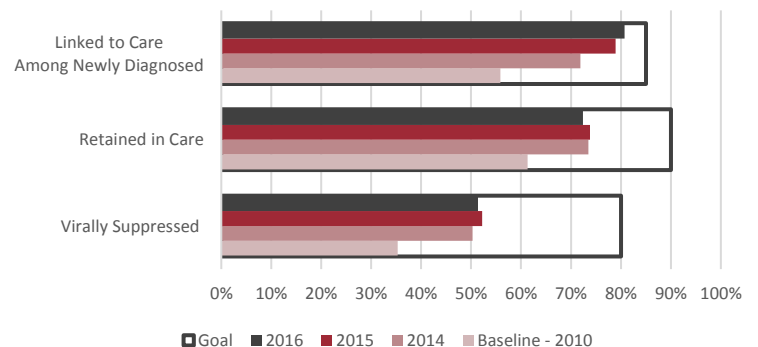
On July 20, 2015, the White House released the updated [National HIV/AIDS Strategy for the United States](#) in an effort to re-focus the response to the HIV epidemic in the U.S. The document summarizes a set of priorities and strategic action steps with measurable goals to be achieved by 2020. The NHAS identifies three primary goals: 1) Reduce the number of new HIV infections, 2) Increase access to care and improve health outcomes for people living with HIV (PLWH), and 3) Reduce HIV-related health disparities and inequities. In response to the NHAS, Maryland developed objectives consistent with NHAS goals to be locally relevant and measurable using Maryland adult/adolescent HIV surveillance data. Maryland 2020 goals were calculated using 2010 baseline data.

NHAS Indicators	Maryland 2010 Baseline**	Maryland 2014**	Maryland 2015**	Maryland 2016**	Maryland 2020 Goals	Maryland Progress
<b>Reducing New HIV Infections</b>						
Increase the percentage of people living with HIV who know their serostatus to at least <b>90%</b> <sup>1</sup>	81.4%	84.7%	N/A	N/A	90.0%	■
Reduce the number of new HIV diagnoses by at least <b>25%</b>	1,815	1,290	1,225	1,122	1,361	■
Reduce the percentage of young gay and bisexual men who have engaged in HIV risk behaviors by at least <b>10%</b> <sup>†</sup>	30.7%	N/A	25.8%	N/A	27.6%	■
<b>Increasing Access to Care and Improving Health Outcomes</b>						
Increase the percentage of newly diagnosed persons linked to HIV medical care within one month of diagnosis to at least <b>85%</b>	55.9%	71.9%	78.9%	80.7%	85.0%	■
Increase the percentage of persons with diagnosed HIV infection who are retained in HIV medical care to at least <b>90%</b>	65.6%	74.7%	73.8%	72.4%	90.0%	■
Increase the percentage of persons with diagnosed HIV infection who are virally suppressed to at least <b>80%</b> <sup>†</sup>	35.3%	50.3%	52.2%	51.4%	80.0%	■
Reduce the death rate among persons with diagnosed HIV infection by at least <b>33%</b>	41.9	33.4	33.7	--	28.1	■
<b>Reducing HIV-Related Health Disparities and Health Inequities</b>						
Reduce disparities in the rate of new diagnoses by at least <b>15%</b> among gay and bisexual men <sup>§</sup>	<i>% of HIV Diagnoses</i> 46.2%	52.3%	53.7%	55.3%	--	■
	<i>Disparity Ratio</i> 12.9	14.6	15.1	15.5	11.0	
Reduce disparities in the rate of new diagnoses by at least <b>15%</b> among young Black gay and bisexual men <sup>¶</sup>	<i>% of HIV Diagnoses</i> 11.4%	12.2%	12.4%	12.7%	--	■
	<i>Disparity Ratio</i> 58.3	64.8	67.3	72.4	49.6	
Reduce disparities in the rate of new diagnoses by at least <b>15%</b> among Black females	1.00	0.91	0.93	0.77	0.85	■
Increase the percentage of youth with diagnosed HIV infection who are virally suppressed to at least <b>80%</b> <sup>‡</sup>	19.0%	34.1%	38.8%	41.5%	80.0%	■
Increase the percentage of persons who inject drugs with diagnosed HIV infection who are virally suppressed to at least <b>80%</b> <sup>§</sup>	39.1%	48.4%	48.9%	46.6%	80.0%	■

■ Annual target met ■ Annual target not met, progress since baseline ■ Annual target not met, progress in opposite direction -- Unable to calculate

\*\* Data Source: Maryland Department of Health (MDH) Enhanced HIV/AIDS Reporting System (eHARS), Geocoded Data, as of 6/30/2017  
<sup>1</sup> Data Source: Centers for Disease Control and Prevention, HIV Surveillance Supplemental Report 2017;22(No. 2), Published July 2017.  
<sup>†</sup> Data Source: Youth Risk Behavioral Surveillance System, Baseline: 2013, grades 9 - 12. Data not collected in 2014 or 2016.  
<sup>‡</sup> Viral suppression is defined as the most recent viral load test that was less than 200 copies per milliliter.  
<sup>§</sup> Risk estimation and redistribution using multiple imputation method <sup>¶</sup> Living adults/adolescents ages 13-24 diagnosed with HIV

Maryland Progress towards NHAS Goals Related to the Continuum of Care\*\*



### Limitations:

- Lab data are only available for cases receiving medical care and only includes test results that have been reported to the health department.

### Summary:

- The percentage of new HIV diagnoses that are in care within one month of diagnosis increased from **55.9% in 2010** to **80.7% in 2016**.
- According to the U.S. HIV/AIDS Continuum of Care,<sup>2</sup> of the **1.1 million** individuals living with HIV/AIDS, an estimated 49% have a suppressed viral load. Of the **30,430** current Maryland residents living with HIV/AIDS, **51.4%** have a suppressed viral load.

<sup>2</sup> <https://www.cdc.gov/nchhstp/newsroom/2017/HIV-Continuum-of-Care.html>